MP-20x Series

AudioCodes MediaPack™ Series Telephone Adapters with Integrated Router

- Residential and SOHO telephony Gateway for Voice over Broadband (VoBB) networks
- Allows Fallback to PSTN for E911 or upon power failure (FXO) configurations
- 1 or 2 FXS ports connecting to POTS phones or fax machines
- Provides toll quality voice compression
- Robust fax handling with support for T.38
- Integrated router including Firewall, NAT and smart traffic prioritization
- Supports a rich set of subscriber calling features
- Easy integration into existing VoIP networks
- Broad interoperability list of Softswitches and SIP servers

The **MP-20x series** of Telephone Adapters are cost-effective, advanced products, which allow the connection of ordinary analog telephones or fax machines to a Voice over Broadband (VoBB) service.

As a member of the MediaPack series of gateways, the MP-20x series of Telephone Adapters are well-suited for commercial VoIP deployments. Field-proven voice and fax technology and a feature rich design make these Telephone Adapters an excellent choice for Voice over Broadband (VoBB) service providers and operators.

Designed for Residential and SOHO IP Telephony

The MP-20x series is designed for the rapidly growing residential and Small Office/Home Office (SOHO) VoIP market. The MP-20x series typically connects to an existing Broadband Internet device (cable, DSL modem or fixed wireless), and establishes a communications path with the service provider network via its IP Uplink connection. Supporting a rich set of subscriber calling features such as caller ID, call forwarding, and call waiting, the MP-20x series maintains a uniform user experience when migrating to VoIP services. In addition, the MP-20x series serves as a router, supporting connectivity of home PC Networks.

Benefit from Extensive Experience

Utilizing AudioCodes' VoIPerfect™ core architecture, and gaining from its accumulated experience in providing IP telephony solutions, the MP-20x series combines superior voice quality and cutting-edge features for end users, such as T.38 Fax Relay and G.168-2004 compliant Echo Cancellation. Low bit rate vocoders (voice coders) can be used simultaneously on all the telephony ports to save valuable bandwidth.

Interoperability

The MP-20x series is designed for interoperability with leading Softswitches and SIP servers for deployment in various network environments.

MP-20x Key Features

- 1-2 FXS ports for connecting POTS phones or fax machines
- FXO port for connecting to PSTN and providing LifeLine in case of power failure
- Second Ethernet port for LAN/PC connectivity
- Bridge mode or full router functionality with DHCP, NAT, Firewall and configurable routing logic
- Premium voice quality
  - Prioritization of voice over data traffic ensuring voice quality
  - Based on AudioCodes' robust, 3rd generation VoIPerfect™ technology
  - Dual core architecture ensures voice quality is maintained even during high CPU load

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MP-20x Series

Specifications

Features	
Telephone Interfaces	RJ11 connectors
Line Signaling	FXS Loop Start FXO Loop Start DTMF – Detection and Generation, TIA464B
Lifeline	FXS to FXO relay for power failure service and continuity
Network Interface	WAN I/F (Uplink): RJ-45 - 10/100 Base-T LAN I/F (Downlink): RJ-45 – 10/100 Base-T
Subscriber Features	•Caller ID (type 1 & 2) •Call Hold •Call Transfer •3-way conferencing •Call Waiting •Call Forward •Hotline •MWI
Signaling	
VoIP Signaling Protocols	SIP – RFC 3261
Data Protocols	IPv4, TCP, UDP, ICMP, ARP PPPoE, PPTP, L2TP DNS, Dynamic DNS IEEE 802.1p/q (QoS & VLAN tagging) ToS/Diffserv
Switching/Routing	Layer 2 switching or Layer 3 routing including: • DHCP Client/Server – RFC 2132 • RIP V1/V2 and static routing • NAT – RFC3022, Application Layer Gateway (ALG) • Voice over Data prioritization
Media Processing	
Voice Coders	G.711, G.723.1, G.729A/B, G.726, iLBC*, GSM FR*
Wideband Coders*	G.722, G.722.2 (WB-AMR)
Fax	T.38, network delay up to 10 sec, VBD
Echo Cancellation	G.168-2004 compliant, 64 msec tail length
Silence Suppression	VAD, CNG
Adaptive Jitter Buffer	300 msec
Packetization	RTP/RTCP Packetization – RFC 3550, 3551, 2198 DTMF Relay - RFC 2833 Outbound DTMF using SIP INFO
Provisioning and Management	
Provisioning	Embedded Web Server for Configuration and Management Software and Configuration upgrade from FTP/HTTP/HTTPS TR-069, TR-104
Management	Integrated SNMP agent CLI over Telnet Syslog support for debug and diagnostics Configurable call progress tones Configurable line characteristics for regional support
Security	
Management	HTTPS for web-based configuration Password protected web pages (MD5)
Media & Control	IPSec* for media streaming and data traffic SIP over TLS
LEDs Indications	Ethernet activity Phone activity Power Status
Physical	
Power	+12VDC, 0.5 A Max @ 2 ports configuration Power adaptor: 110VAC or 220VAC to 12VDC, 1A, different power supply options
Dimensions	103x74x29.5 mm
Environmental	Operation: 5°C - 40°C Storage: -25°C - 70°C
Ordering options	
MP-201B/1FXS/SIP	MediaPack 201 VoIP Telephone Adapter including a single FXS line, 1 WAN port, 1 LAN port
MP-202B/1FXS/1FXO/SIP	MediaPack 202 VoIP Telephone Adapter including a single FXS line, a single FXO line, 1 WAN port, 1 LAN port
MP-202B/2FXS/SIP	MediaPack 202 VoIP Telephone Adapter including two FXS lines, 1 WAN port, 1 LAN port
MP-203B/2FXS/1FXO/SIP	MediaPack 203 VoIP Telephone Adapter including two FXS lines, a single FXO line, 1 WAN port, 1 LAN port

** Please contact AudioCodes for specific software availability*

About AudioCodes

AudioCodes Ltd. (NASDAQ: AUDC) provides innovative, reliable and cost-effective Voice over IP (VoIP) technology, Voice Network Products, and Value Added Applications to Service Providers, Enterprises, OEMs, Network Equipment Providers and System Integrators worldwide. AudioCodes provides a diverse range of flexible, comprehensive media gateway, and media processing enabling technologies based on VoIPerfect™ – AudioCodes' underlying, best-of-breed, core media architecture. The company is a market leader in VoIP equipment, focused on VoIP Media Gateway, Media Server, Session Border Controllers (SBC), Security Gateways and Value Added Application network products. AudioCodes has deployed tens of millions of media gateway and media server channels globally over the past ten years and is a key player in the emerging best-of-breed, IMS based, VoIP market. The Company is a VoIP technology leader focused on quality and interoperability, with a proven track record in product and network interoperability with industry leaders in the Service Provider and Enterprise space. AudioCodes Voice Network Products feature media gateway and media server platforms for packet-based applications in the converged, wireline, wireless, broadband access, cable, enhanced voice services, video, and Enterprise IP Telephony markets. AudioCodes' headquarters are located in Israel with R&D in the U.S. Other AudioCodes' offices are located in Europe, India, the Far East, and Latin America.

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